FIG.1

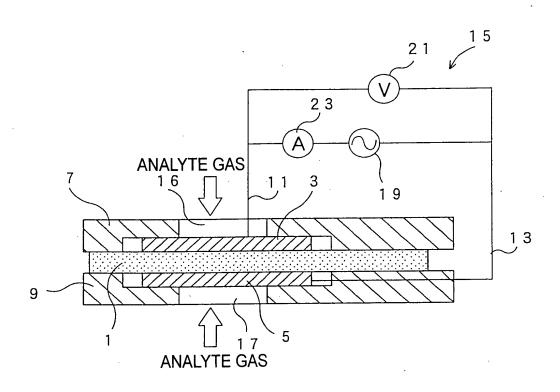


FIG.2

5 3

4 1

3 9

3 1

4 7

3 5

ANALYTE GAS

FIG.3

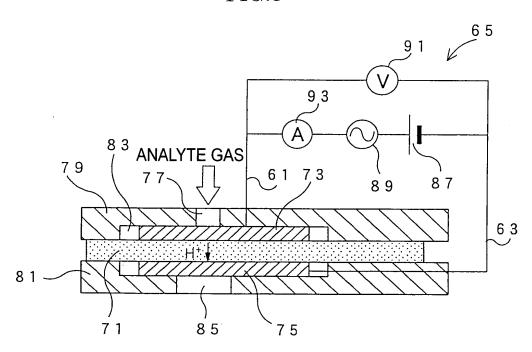


FIG.4

119

127

125

105

115

VS

117

101

118

FIG.5

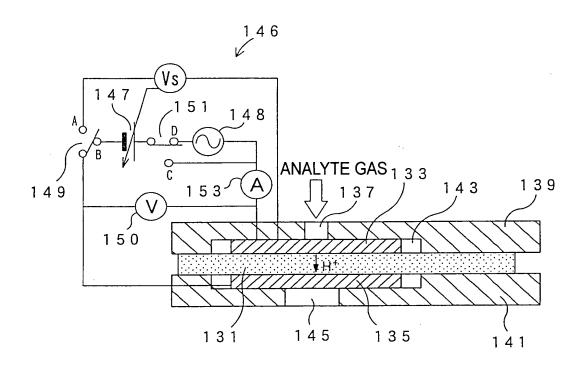


FIG.6

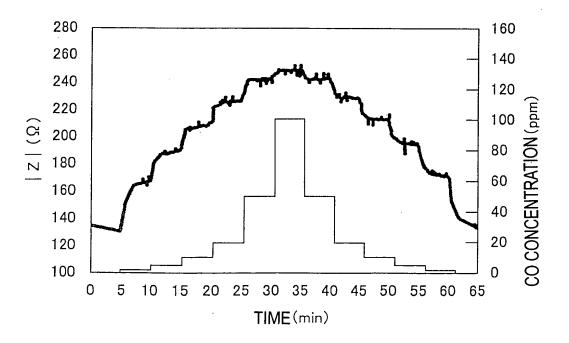


FIG.7

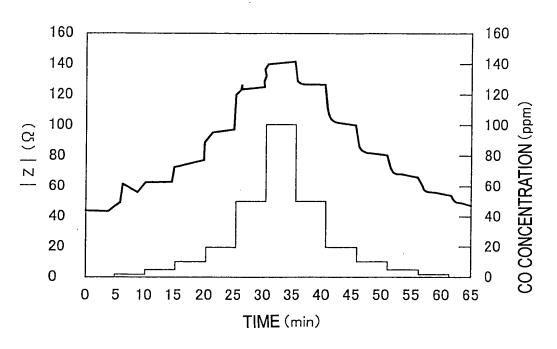


FIG.8

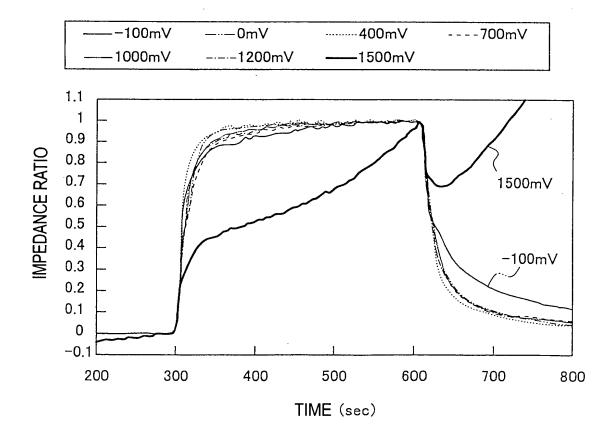


FIG.9

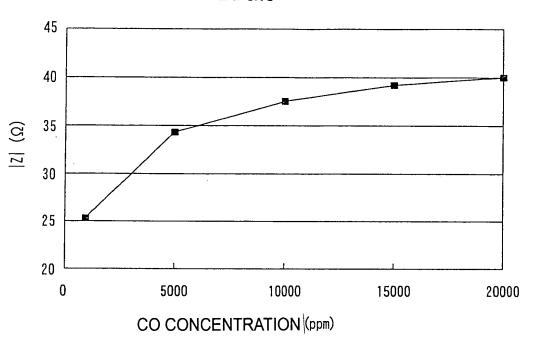


FIG.10

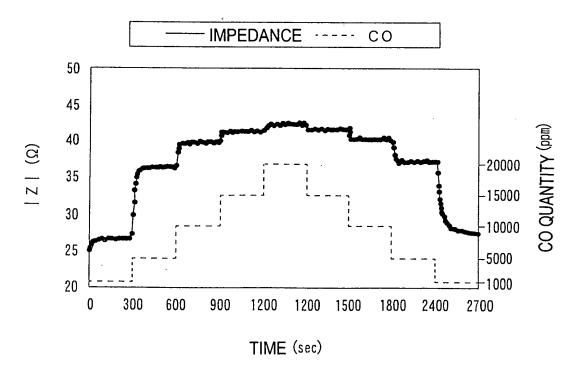


FIG.11

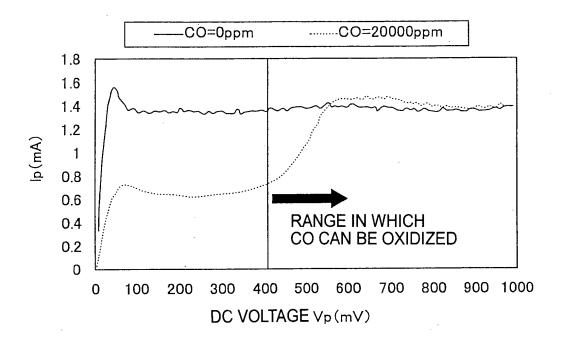


FIG.12

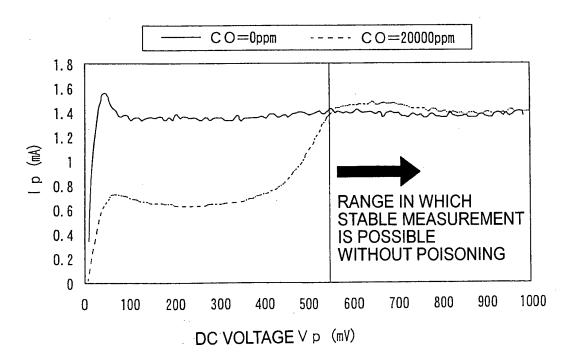


FIG.13

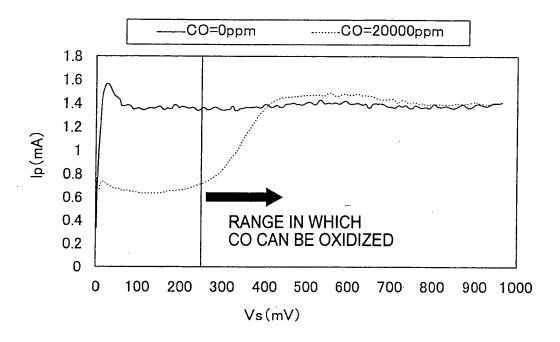


FIG.14

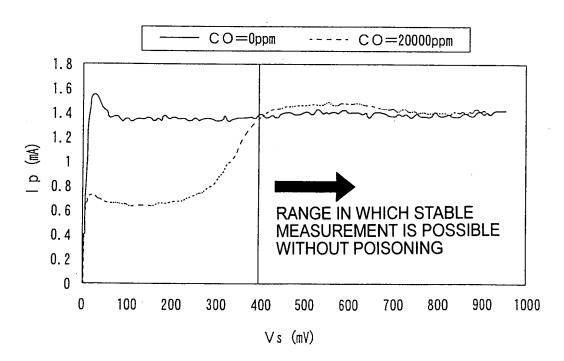
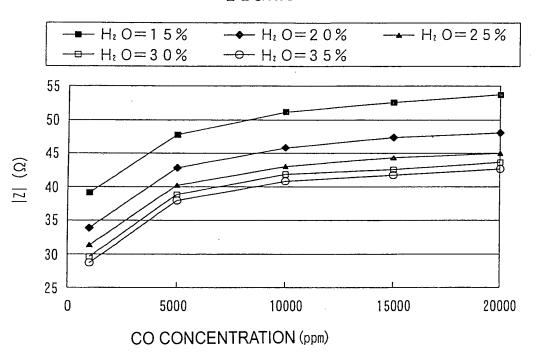


FIG.15



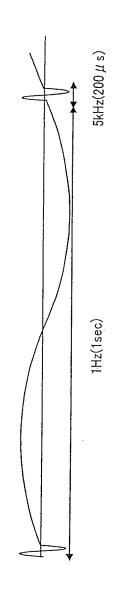
5 KHz IMPEDANCE 1 Hz IMPEDANCE 5 KHz BOTTOM PEAK HOLD 1 Hz BOTTOM **PEAK HOLD** IV CONVERSION IV CONVERSION CIRCUIT CIRCUIT SENSOR SINE WAVE SINE WAVE (5 kHz) (1 Hz)

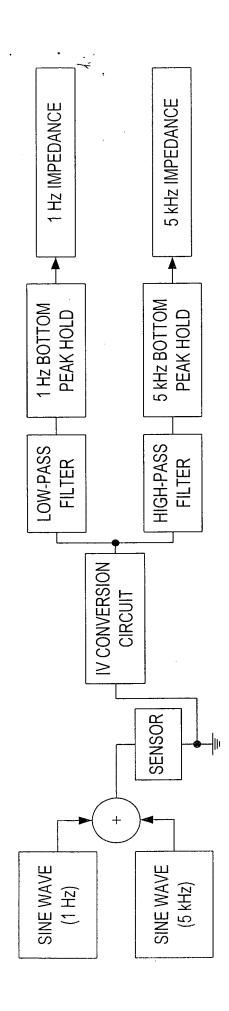
FIG.16A

Q88778

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FIG.16B 1 Hz-5 kHz SWITCHING WAVEFORM

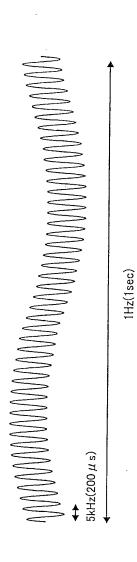




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FIG.17B 1 Hz-5 KHz COMPOSITE WAVEFORM



ĵ.

FIG.18

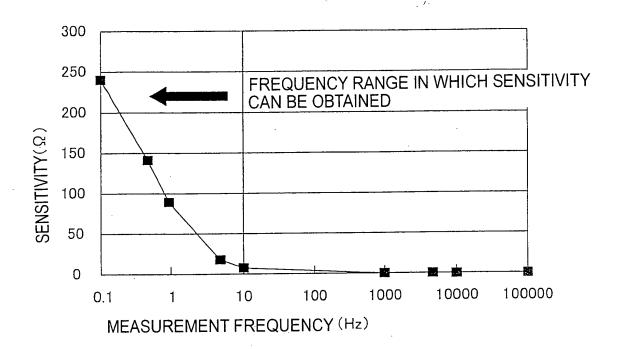
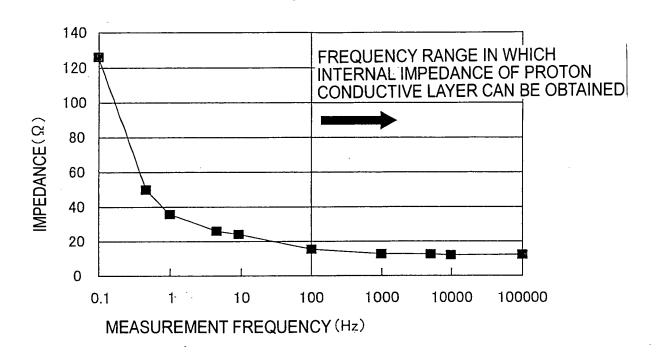


FIG.19



Ci 60 

AC VOLTAGE (mV)

FIG.20

FIG.21

